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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference P1187 PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/month				
PCT/US 03/32441	14.10.2003	22.10.2002			
International Patent Classification (IPC) or bo	oth national classification and IPC				
B05D1/00		·			
Applicant					
MEDTRONIC VASCULAR INC.					
1. This international preliminary example.	nination report has been prepare	ed by this International Preliminary Examining			
Authority and is transmitted to the	applicant according to Article 36	Б.			
2. This REPORT consists of a total	of 6 sheets, including this cover	sheet.			
57	wind his ANNITYTO La chasta o	f the description, claims and/or drawings which have			
been amended and are the	basis for this report and/or sheet	f the description, claims and/or drawings which have s containing rectifications made before this Authority			
(see Rule 70.16 and Section	n 607 of the Administrative Instru	uctions under the PCT).			
These annexes consist of a total	of 4 sheets.				
3. This report contains indications re	elating to the following items:				
<u></u>	nating to the fellowing terms.				
│ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │					
II ☐ Priority	oninion with regard to nevalty. It	aventive step and industrial applicability			
III ☐ Non-establishment of IV ☐ Lack of unity of inven-		opinion with regard to novelty, inventive step and industrial applicability			
<u>-</u>					
citations and explana	tions supporting such statement	,			
VI	ted				
	international application				
VIII Certain observations	on the international application				
Date of submission of the demand	Date of	f completion of this report			
19.05.2004	07.12				
19.03.2004	07.12	.2007			
Name and mailing address of the internation	nal Author	ized Officer			
preliminary examining authority: European Patent Office					
D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d					
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International application No.

PCT/US 03/32441

1.	Rasis	of the	report

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	cription, Pages			
	1-10		as originally filed		
	Clai	ms, Numbers			
1-25			received on 22.07.2004 with letter of 07.07.2004		
	Dro	wings, Sheets			
	1/7-7	7/7	as originally filed		
2.	With regard to the language , all the elements marked above were available or furnished to this Authority in language in which the international application was filed, unless otherwise indicated under this item.				
	The	se elements were ava	ailable or furnished to this Authority in the following language: , which is:		
		the language of a tra	nslation furnished for the purposes of the international search (under Rule 23.1(b)).		
		the language of publ	ication of the international application (under Rule 48.3(b)).		
		the language of a tra Rule 55.2 and/or 55.3	inslation furnished for the purposes of international preliminary examination (under 3).		
3.	With	n regard to any nucle rnational preliminary (otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:		
		contained in the inte	rnational application in written form.		
		filed together with the	e international application in computer readable form.		
		furnished subsequer	ntly to this Authority in written form.		
		furnished subsequer	ntly to this Authority in computer readable form.		
		The statement that t in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.		
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.		
4.	The	amendments have r	esulted in the cancellation of:		
		the description,	pages:		
		the claims,	Nos.:		
		the drawings,	sheets:		

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5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

24-25

1-23

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: Claims
No: Claims
Inventive step (IS)

Yes: Claims

No: Claims 1-25

Industrial applicability (IA)

Yes: Claims 1-25

No: Claims -

2. Citations and explanations

see separate sheet

Preliminary note:

The newly filed claims 1-25 only amount to editorial changes with no real changes having regard to the subject matter claimed.

The current assessment is based on the assumption that all claims enjoy priority rights from the filing date of the priority document. It the later turns out that is not correct, the document D1 cited in the international search report could become relevant.

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1-Reference is made to the following documents:

D1: EP-A-1329230

D2: US-A1-2002051730

D3: US-A1-2002133183

D4: WO-A-9856312

D5: US-A-6096070

D6: WO-A-0243619

D7: WO-A-02074194

D8: WO-A-0187372

D9: EP-A-0701802

D10: US-A-6129705

NOVELTY - Art. 33 (1) and (2) PCT

2-Claims 1-23 lack novelty:

2.1- D2: Drug coated stent useful for the local delivery of drug/drug combinations. The type of coating depends on the type of drug (rapamycin and polymer (outer surface) in combination with heparin (inner surface)). The coating may be uniform or not and continuous or discontinuous.

D2 is novelty destroying for the subject matter of claims 1-23.

2.2- D3: Coated stents. Therapeutic drugs, agents or compounds may be mixed with the biocompatible materials and affixed to at least a portion of the stent (rapamycin and heparin).

D3 is novelty destroying for the subject matter of claims 1-23.

EXAMINATION REPORT - SEPARATE SHEET

2.3- D4: Coated stents: two or more coating layers of polymeric compositions (inner layer. outer layer). The outer layer may be used as drug delivery system. The inner layer may contain a drug too. The stent can have multiple layers of different polymers with the same or different drugs.

D4 is novelty destroying for the subject matter of claims 6-22.

2.4- D5: Coated stent: two or more layers of different bioactive materials. The same bioactive material will generally not be deposited on the different surfaces of the device within the same layer (i.e. each surface of the device carries different bioactive materials).

D5 is novelty destroying for the subject matter of claims 1-23.

2.5- D6: A portion of an inner surface or an outer surface of a stent is coated with a material containing a polymer and a biologically active material.. Inner and outer portion of the medical device can be coated with different materials. Also, there can be more than one coating on a surface and the entire surface of the stent is not necessarily coated.

D6 is novelty destroying for the subject matter of claims 1-23.

2.6- D7: Medicated stent (S1) with a coating comprising a primer layer (a) comprising a first composition (a1) of at least one polymer, and a drug reservoir layer (b) comprising a second composition (b1) of at least one polymer and active agent(s). One or more drug carrier polymer layers can be applied. Different drugs contained within different layers.

D8: Two coating layers: one with polymer and dexomethasone and the other with rapamycin and polymer.

D9: Stent coated with polymer containing a drug.

D10: Balloon, catheter and coated stent.

INVENTIVE STEP - Art. 33 (1) and (3) PCT

No inventive step can be acknowledged for the subject matter of claims 1-23, which 3-

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lack novelty.

3.1- The features of claims 24-25 are merely some of several straightforward possibilities from which the skilled person would select, in accordance with circumstances, without the exercise of inventive skill, in order to solve the problem posed.

INDUSTRIAL APPLICABILITY - Art. 33 (1) and (4) PCT

Claims 1-25 appear to be industrially applicable.